

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number
WO 2005/032410 A2

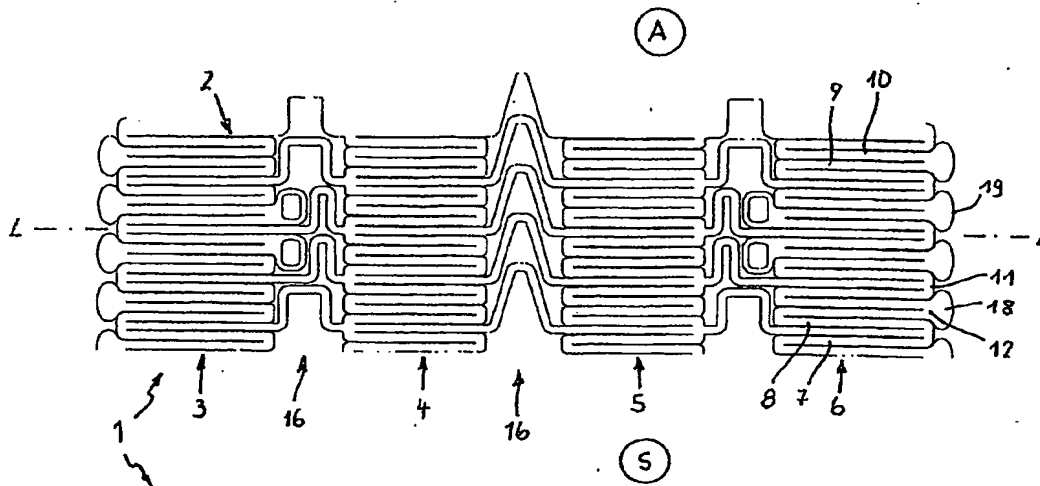
- (51) International Patent Classification⁷: **A61F**
- (21) International Application Number:
PCT/US2004/031844
- (22) International Filing Date:
29 September 2004 (29.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/507,260 30 September 2003 (30.09.2003) US
- (71) Applicant (for all designated States except US): **ALVE-OLUS INC.** [—/US]; 401 North Tryon Street, 10th Floor, Charlotte, North Carolina 28202 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **NISSL, Thomas** [DE/DE]; Gillmoor 15, 21441 Garstedt (DE). **MAN-GIARDI, Eric** [US/US]; 701 Queen Charlotte Court, Charlotte, North Carolina 28211 (US).
- (74) Agent: **ALEXANDER?, Tony?**; c/o PortfolioIP, P.O. Box 52050, Minneapolis, Minnesota 55402 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: REMOVABLE STENT



(57) Abstract: The invention is relative to a stent (1) with a tubular support frame (2) consisting of axially successively following, interconnected annular segments (3, 4, 5), which support frame (2) is surrounded on its outside by a thread (11). The thread ends (12, 13) are guided via a deflection (14) from the outside into support frame (2), where they are coupled by a connector consisting of a material visible in X-rays. Deflection (14) is realized by two deflection elements (15, 16) in the form of eyelets provided on annular segment (3). Deflection elements (15, 16) are arranged on the circumference of support frame (2) at an interval from one another and are provided on end-side annular segment (3), viewed in longitudinal direction (L) of the stent.

WO 2005/032410 A2